

LATE REPORTS FOR JULY 1942

District and station	Elevation of instruments			Pressure			Temperature of the air										Precipitation			Wind					Average cloudiness, tenths	Total snowfall	Snow, sleet, and ice on ground at end of month	Number of days with thunderstorms					
	Barometer above sea level	Thermometer above ground	Anemometer above ground	Station, reduced to mean of 24 hours	Sea level, reduced to mean of 24 hours	Departure from normal	Mean max. + mean min. ÷ 2	Departure from normal	Maximum	Date	Mean maximum	Minimum	Date	Mean minimum	Greatest daily range	Mean wet thermometer	Mean temperature of the dew-point	Mean relative humidity	Total	Departure from normal	Days with 0.01 inch or more	Average hourly velocity	Prevailing direction	Maximum velocity									
																								Miles per hour					Direction	Date	Clear days	Partly cloudy days	Cloudy days
Alaska	Ft.	Ft.	Ft.	In.	In.	In.	° F.	° F.	° F.	° F.	° F.	° F.	° F.	° F.	° F.	° F.	° F.	%	In.	In.		Miles								0-10	In.	In.	
Anchorage.....	135	36	47	+29.81	+30.01	-----	57.8	+0.8	73	31	64	47	14	51	21	53	49	72	1.83	+0.2	12	5.0	w.	18	s.	1	2	10	19	7.7	0.0	0.0	---
Barrow.....	25	4	27	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Bethel.....	22	5	32	+29.90	+29.94	-----	53.7	- .6	75	22	61	37	5	40	37	55	48	81	1.95	- .4	15	-----	sw.	-----	-----	-----	2	2	27	8.9	0	0	-----
Fairbanks.....	484	11	87	+29.43	+29.92	-----	60.8	+ .8	82	24	72	41	8	50	34	54	48	70	1.65	- .2	16	5.8	sw.	26	s.	7	1	11	19	7.6	0	0	-----
Juneau.....	132	96	116	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Ketchikan.....	75	69	85	+30.03	+30.05	-----	61.8	+4.0	81	29	70	45	10	54	29	56	52	74	2.68	-5.2	10	6.8	se.	23	se.	4	7	6	18	6.8	0	0	-----
Nome.....	43	25	51	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
McGrath.....	331	4	31	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

1 Data are airport records.

2 Barometric data (adjusted to old city elevation) and hygrometric data from airport; otherwise city office records.

3 Observations taken bihourly.

4 Pressure not reduced to a mean of 24 hours.

5 Barometric data from airport; other data from city office records.

6 Wind, clear, partly cloudy, and cloudy data from city office records; other data from airport.

NOTE.—Except as indicated by notes 1, 2, 5 and 6 data in table are city office records.

SEVERE LOCAL STORMS, AUGUST 1942

(Compiled by Mary O. Souder)

[The table herewith contains such data as has been received concerning severe local storms that occurred during the month. A revised list of tornadoes will appear in the United States Meteorological Yearbook]

Place	Date	Time	Width of path, yards	Loss of life	Value of property destroyed	Character of storm	Remarks
Grand Meadows, Minn., and vicinity.	1	3 a. m.	13		\$5,000	Thunderstorm and hail.	Much loss in growing crops; path 6 miles long.
Lanesboro, Minn., vicinity of.	1	A. m.			1,600	Electrical.	10 cows and 2 steers killed by lightning on a farm where they were huddled together under a tree on a knoll.
Milwaukee, Wis., and vicinity.	1	9 p. m., C. T.				Electrical and heavy rain.	Number of trees blown down or branches broken off; damage to electric wires and service cut off in some sections of the city for some time. Streets flooded, motorists stalled, and streetcars off schedule.
Platteville, Wis.	1					Thundersquall.	Wires torn out by falling branches and transformer fuses blown out causing suspension of electric service; some roofs damaged.
Hughes County, S. Dak.	4	9 p. m.	11	1	20,000	High wind, heavy rain and hail.	Building demolished fatally injuring 1 person; pheasants and other birds killed on several farms. Some crops total loss; amount not estimated.
Chester County, S. C.	4	P. m.			700	Electrical.	Property damaged.
Valley Falls, Kans., and vicinity.	6	12:45 a. m.	11		500	Violent wind and hail.	Chief damage from wind; several buildings unroofed; path 2 miles long.
Burwell, Nebr., vicinity of.	6	7 p. m.	14		10,000	Hail.	No details.
Gosper County, Nebr.	6	do	18		40,000	do	Loss in corn and feed crops about \$30,000; to buildings, livestock, etc., \$10,000.
Sargent, Nebr., and vicinity.	6	do	13		60,000	do	Loss in corn; damage to buildings; path 25 miles long.
Beaver City, Nebr., and vicinity.	6	8:30-9 p. m.	18		20,000	do	Loss in corn and feed crops; damage to windows, roofs, and gardens.
Scottsbluff County, Nebr., north-eastern portion.	6	9 p. m.	11		5,000	do	No details.
North Platte, Nebr., and vicinity.	6	P. m.	12-4		25,000	Hail and wind.	Extensive damage to trees, buildings, and glass in North Platte, and to crops and farm buildings between North Platte and Brady.
Tenas Gorge Canyon, in vicinity of Wenatchee, Wash.	6	do		8	2,650	Flash flood.	Auto buried in slide which resulted from culverts plugging during short period of intense local rainfall. Damage to car and highway and railroad fills and guard rails.
Mystic, Melrose, and Ionia, Iowa and vicinities.	6-7					Rain and flood.	Heavy rain caused the overflow of bottom lands from Cedar Creek. A railroad roadbed was damaged; many rural roads under water; at least 40 sheep drowned and hundreds of acres of soybeans flooded when Cedar Creek left its banks from headwaters, to near the Marion line. Some hail damage in eastern Monroe County.
Chouteau County, Mont.	7	5 p. m.	16		100,000	Heavy hail.	Loss in wheat; path 12 miles long.
Cedar County, Nebr., north-western portion.	7	8 p. m.	12-4		10,000	Hail.	No details.
Bucks, Chester, Lancaster, and Montgomery Counties, Pa.	8-9			2	1,000,000	Heavy rain.	Streams rose forcing persons to leave their homes. Industrial plants were flooded and machinery wrecked; 2 persons drowned. Roads flooded; all traffic detoured, and 17 bridges damaged or lost.
Mecca, Calif.	9	A. m.				Rain.	Heavy rains over northern foothills caused flood over Mecca; no serious damage.
Death Valley, Calif.	9	3:15 p. m.				do	Torrential rains over Furnace Creek, Wash. 5 miles of telephone lines and 8 miles of highway torn out.
Scottsbluff County, Nebr., northeastern portion.	9	8 p. m.	12		70,000	Hail.	No details.
Osborn and Russell Counties, Kans.	9	9:30 p. m.	115	0	15,400	Tornado, violent wind and hail.	Violent straight-line winds occurred over a strip extending from near the middle of Osborn County to near the middle of Russell County. A tornado was sighted during lightning flashes near Waido. Details of its path not known, chief damage being from straight wind.
Holdrege, Nebr., and vicinity.	9	P. m.	13		5,000	Hail.	No details.
Banner County, Nebr., northwestern portion.	10	4-6 p. m.	13		5,000	do	Do.
Gaffney, S. C., and vicinity.	10	P. m.			11,000	Thunderstorm and hail.	Roofs and chimneys damaged; some outbuildings damaged or blown down, damage, \$10,000; loss in cotton from hail, \$1,000.

1 Miles instead of yards.

SEVERE LOCAL STORMS, AUGUST 1942—Continued

Place	Date	Time	Width of path, yards	Loss of life	Value of property destroyed	Character of storm	Remarks
Ancho, N. Mex.	12	4 p. m.	1 2	-----	1,000	Hail	Property damaged.
Valley and Daniels Counties, Mont.	12	8-10 p. m.	1 3	-----	25,000	Heavy hail	Loss in crops; path 28 miles long.
Norton and Graham Counties, Kans.	13	2 a. m.	-----	-----	-----	do.	Some hailstones as large as hen eggs. Corn, feed crops and gardens badly damaged over southern portion of the path.
Schuyler and Tompkins Counties, N. Y.	13	-----	-----	-----	-----	Rain	Heavy rains caused streams to rise with resultant floods in southern Schuyler and Tompkins Counties. Roads were blocked and crops washed out; traffic disrupted, dams broken, and some homes in Watkins Glen and Montour Falls flooded.
Harrisburg, Pa., and vicinity	16	-----	-----	-----	28,000	Electrical and rain	Barns burned; streets and cellars flooded.
Osceola County, Iowa	17	11 p. m.	1 2-3	3	80,000	Hail	Loss in flax, corn, oats, and other crops; about 30 farms affected; path 6 miles long.
Jefferson County, Tex.	21	-----	-----	-----	380,000	Wind, heavy rain, decidedly high tides.	High tides were responsible for considerable damage to water-front installations, the total loss estimated at \$15,000. No estimate of damage to highway between Sabine Pass and Bolivar is available. Winds damaged property in Jefferson County to the extent of \$65,000, and loss in rice crop approximately 15 percent or \$300,000. There was no loss of life or serious injury.
Alden, Kans., 4 miles east	22	1 p. m.	-----	0	-----	6 small tornadoes	6 vortex clouds plainly seen descending from the parent storm cloud about 4 miles east of Alden. These were seen to rotate and extend downward, but none reached the ground.
Lake County, Ind.	22	3:50 p. m.	-----	3	-----	Wind	125-foot smoke stack at Gary, Ind., blown over; 3 persons injured; many trees blown over.
Blanchard, La., vicinity of	22	-----	-----	-----	10,000	do.	Storm occurred just before daylight; 2 homes demolished, others damaged; timber blown down; cotton and other crops destroyed. Damage to buildings, \$3,000; loss in crops, mostly cotton; \$7,000.
Chautauqua County, N. Y.	24	-----	-----	1	-----	Thunderstorm and heavy rain.	This storm in the Westfield-Fredonia area flooded highways and washed out roads and bridges. Due to undermining a Pennsylvania Railroad train was derailed near Mayville, killing a fireman and injuring 3 passengers.
Imperial, Calif.	24	6:15 p. m.	880	-----	2,000	Straight-line wind	Power and telephone poles snapped off; trees uprooted; old building blown down.
Springfield, S. Dak.	24	P. m.	-----	-----	-----	Heavy rain and hail.	Considerable damage to gardens, trees and other vegetation. Hail several inches deep on ground; path narrow.
Phoenix, Ariz., eastern portion.	25	3:30 a. m., m. w. t.	-----	-----	-----	Thunderstorm	The apparent center of activity was located in the northeastern section of the Phoenix Municipal Airport. It so happened that a large number of airplanes were staked out in the open field in the apparent center of storm activity and some 15 of the ships were badly damaged, in some cases the planes were practically demolished, while some sustained repairable damage. Unusually sharp lightning accompanied this storm which was not only unusual because of its localized nature, but because it seems to have been the only development which took place over a rather extensive area and was of a type which would have been extremely difficult to forecast. Damage not estimated.
Tabor and Sidney, Iowa, and vicinities.	27	3:45 p. m.	-----	4	12,000	Wind and hail	Buildings damaged and crops flattened; telephone and power lines down.
Blaine, Phillips, and Valley Counties, Mont.	27	4:30 p. m.	-----	-----	25,000	Heavy hail	Loss in wheat, oats, barley and flax; path 30 miles long.
McCone, Valley, and Roosevelt Counties, Mont.	27	-----	1 7	-----	10,000	Hail	Loss in crops; path 40 miles long.
Sebek, Minn., and vicinity	28-29	P. m. and a. m.	-----	-----	5,000	Rain and flood	Heavy to excessive rains in connection with a severe thunderstorm resulted in a flash flood in Cat Creek near Sebek, Minn. Basements of buildings flooded and roads and bridges damaged.
Draper and Vivian, S. Dak.	29	P. m.	-----	-----	-----	High wind	3 large barns blown down, granaries and other buildings damaged; some stock killed; path narrow.
International Falls, Minn., and vicinity.	30	A. m. and p. m.	-----	-----	61,200	Rain and flood	Heavy to excessive rains in connection with a severe thunderstorm, resulted in a flash flood in a creek at International Falls. Number of families were forced to leave their homes. An entire business block was damaged. Much loss in matured crops.
Sibley, Iowa	31	4:15 p. m.	-----	-----	2,000	Wind	Trees uprooted; garage and several buildings damaged; barn blown over; wire service disrupted.

¹ Miles instead of yards.